```
=> fil reg
FILE 'REGISTRY' ENTERED AT 09:21:13 ON 21 DEC 2006
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=>  d his

     (FILE 'HOME' ENTERED AT 09:07:39 ON 21 DEC 2006)

     FILE 'REGISTRY' ENTERED AT 09:08:15 ON 21 DEC 2006
                ACT MOS339AP/A
                ---------
L1            38 SEA FILE=REGISTRY (107-18-6/BI OR 108-93-0/BI OR 195379-8
                ---------
                ACT MOS339/A
                ---------
L2                STR
L3           535 SEA FILE=REGISTRY SSS FUL L2
                ---------
                ACT MOS339S2/A
                ---------
L4                STR
L5   (       535)SEA FILE=REGISTRY SSS FUL L4
L6                STR
L7             3 SEA FILE=REGISTRY SUB=L5 SSS FUL L6
                ---------
                ACT MOS339S3/A
                ---------
L8                STR
L9   (       535)SEA FILE=REGISTRY SSS FUL L8
L10               STR
L11            4 SEA FILE=REGISTRY SUB=L9 SSS FUL L10
                ---------
                ACT MOS339S4/A
                ---------
L12               STR
L13  (       535)SEA FILE=REGISTRY SSS FUL L12
L14               STR
L15           18 SEA FILE=REGISTRY SUB=L13 SSS FUL L14
                ---------
                ACT MOS339S7/A
                ---------
L16               STR
L17  (       535)SEA FILE=REGISTRY SSS FUL L16
L18               STR
L19           11 SEA FILE=REGISTRY SUB=L17 SSS FUL L18
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     FILE 'LREGISTRY' ENTERED AT 09:09:23 ON 21 DEC 2006
L20               STR L18

     FILE 'REGISTRY' ENTERED AT 09:14:16 ON 21 DEC 2006
L21            0 S L18 SSS SAM SUB=L3
L22              STR L20
L23            0 S L22 SSS SAM SUB=L3
L24            6 S L22 SSS FUL SUB=L3
```

```
                SAV L24 MOS339S12A/A
L25             STR L20
L26           0 S L25 SSS SAM SUB=L3
L27           1 S L25 SSS FUL SUB=L3
                SAV L27 MOS339S12B/A
L28           7 S L24 OR L27

     FILE 'HCAPLUS' ENTERED AT 09:18:12 ON 21 DEC 2006
L29           1 S L7
L30           1 S L11
L31           1 S L15
L32           2 S L19
L33           2 S L28
L34           5 S L1 AND L3
L35           2 S L29-L33
L36           3 S L34 NOT L35


=> d que stat l3
L2              STR
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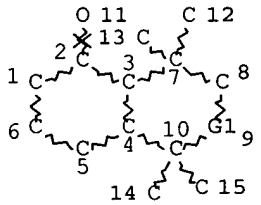

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REP G1=(0-1) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  15

STEREO ATTRIBUTES: NONE
L3          535 SEA FILE=REGISTRY SSS FUL L2

100.0% PROCESSED  154134 ITERATIONS                      535 ANSWERS
SEARCH TIME: 00.00.01


=> d que stat l6
L6              STR
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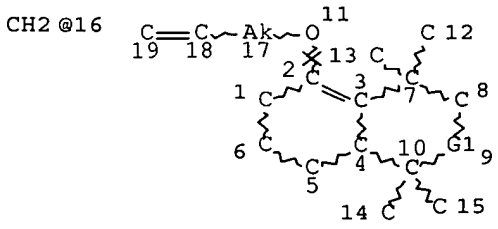
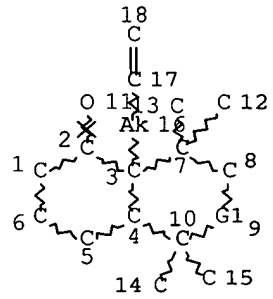


REP G1=(0-1) 16
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

=> d que stat l10
L10 STR



REP G1=(0-1) C
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 16
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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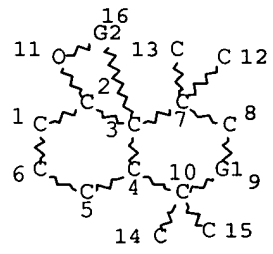
L14 STR



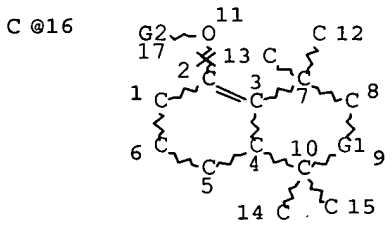
REP G1=(0-1) C
REP G2=(2-4) A

NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

=> d que stat l18
L18 STR

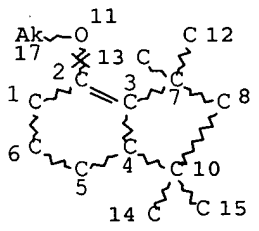


REP G1=(0-1) C
VAR G2=16/SI
NODE ATTRIBUTES:
NSPEC IS RC AT 16
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

=> d que stat l22
L22 STR



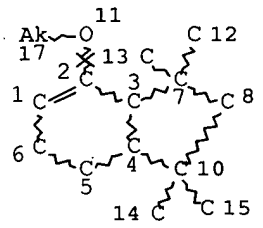
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

=> d que stat l25
L25 STR



NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 15

STEREO ATTRIBUTES: NONE

=> fil hcap
FILE 'HCAPLUS' ENTERED AT 09:21:21 ON 21 DEC 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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=> d l35 ibib abs hitstr hitind 1-2

L35 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:473407 HCAPLUS Full-text
DOCUMENT NUMBER: 141:38754
TITLE: Preparation of polyalkylbicyclic derivatives for use as fragrance ingredients
INVENTOR(S): Narula, Anubhav P. S.; Arruda, Edward Mark
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 17 pp., Cont.-in-part of U.S. Pat. Appl. 2004 29,769.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

US 2004110991	A1	20040610	US 2003-672339	200309 26
US 2003004090	A1	20030102	US 2001-859953	200105 17
US 6632788	B2	20031014		
US 2004029769	A1	20040212	US 2003-635954	200308 07
EP 1524255	A1	20050420	EP 2004-251077	200402 26
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1600782	A	20050330	CN 2004-10045639	200405 19

PRIORITY APPLN. INFO.:

US 2001-859953	A3	200105 17
US 2003-635954	A2	200308 07
US 2003-672339	A	200309 26

OTHER SOURCE(S): CASREACT 141:38754; MARPAT 141:38754

GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

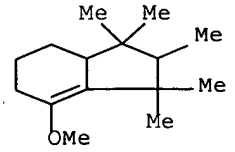
AB Described are polyalkylbicylic derivs. I [Z = (CH2)m; m = 0, 1; X = Me, H; R1, R2, R3, R4 = Me, Et (with the proviso that when X is Me, each of R1, R2, R3, R4 = Me and when X = H, one of R1, R2, R3, R4 = ethyl); R5 = C4-7-cycloalkyl, C4-7-hydroxyalkenyl, Si(C1-3-alkyl)3; R6 = H, Me; R7 = C1-3-alkyl; R, R' = H, Me (with the proviso that at least one is Me); D = :O (neither dashed line = double bonds), OR5 (one dashed line is double) , OR7 (for Δ4,5), CCH2CR6:CH2 (for Δ3,4); E = H, CH2CR6:CH2 (neither dashed line = double bond); DE = OCRR'CH2 (neither dashed line = double bond); F = H (neither dashed line = double bond and D ≠ :O); dashed line = single or double bond with the proviso that only one dashed bond is double] for use fragrance ingredients. Methods for using and making these compds. are also disclosed. Thus, I (m = 0, R1 = R2 = R3 = R4 = R6 = X = Me) was prepared from methoxyhexahydroindene II via transetherification with H2C:CMeCH2OH in the presence of catalytic p-MeC6H4SO3H, thermal rearrangement of alkoxyhexahydroindene III to octahydroindanoneindanone IV, reduction with LiAlH4 in THF, and intramol. cyclization with MeSO3H in n-PrNO2. A cosmetic powder composition containing I is given.

IT **195379-90-9**, 7-Methoxy-1,1,2,3,3-pentamethyl-2,3,3a,4,5,6-hexahydroindene

RL: RCT (Reactant); RACT (Reactant or reagent)
(addition reaction of, with alcs.; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)

RN 195379-90-9 HCAPLUS

CN 1H-Indene, 2,3,3a,4,5,6-hexahydro-7-methoxy-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)

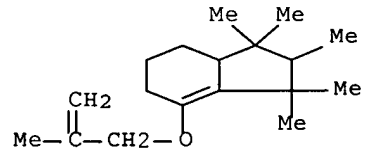


IT **663623-54-9P 700817-93-2P**

RL: COS (Cosmetic use); MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and allylic rearrangement of; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)

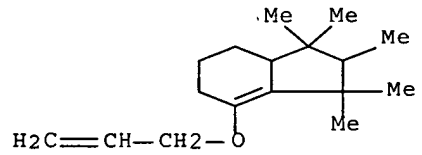
RN 663623-54-9 HCAPLUS

CN 1H-Indene, 2,3,3a,4,5,6-hexahydro-1,1,2,3,3-pentamethyl-7-[(2-methyl-2-propenyl)oxy]- (9CI) (CA INDEX NAME)



RN 700817-93-2 HCAPLUS

CN 1H-Indene, 2,3,3a,4,5,6-hexahydro-1,1,2,3,3-pentamethyl-7-(2-propenyloxy)- (9CI) (CA INDEX NAME)



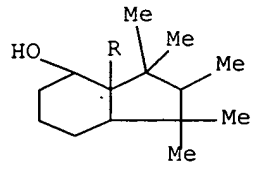
IT **700817-92-1P 700817-95-4P**

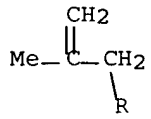
RL: COS (Cosmetic use); MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and intramol. cycloetherification of; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)

RN 700817-92-1 HCAPLUS

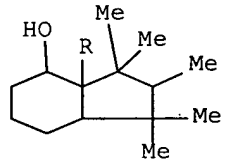
CN 1H-Inden-4-ol, octahydro-1,1,2,3,3-pentamethyl-3a-(2-methyl-2-

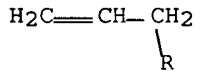
propenyl)- (9CI) (CA INDEX NAME)



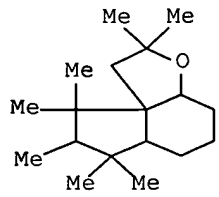


RN 700817-95-4 HCAPLUS
CN 1H-Inden-4-ol, octahydro-1,1,2,3,3-pentamethyl-3a-(2-propenyl)- (9CI) (CA INDEX NAME)

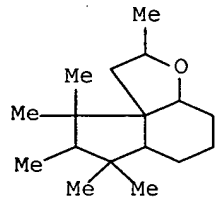




IT **647828-16-8P**, 3,3,10,10,11,12,12-Heptamethyl-4-oxatricyclo[7.3.0.01,5]dodecane **700817-96-5P** **700817-97-6P** **700817-99-8P** **700818-00-4P**
RL: COS (Cosmetic use); MOA (Modifier or additive use); NUU (Other use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and olfactory properties of; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)
RN 647828-16-8 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl- (9CI) (CA INDEX NAME)

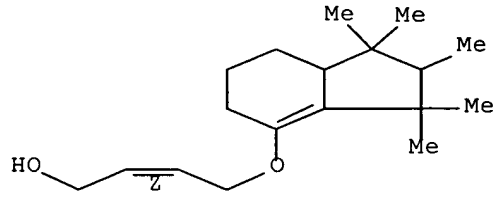


RN 700817-96-5 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,7,7,8,9,9-hexamethyl- (9CI) (CA INDEX NAME)

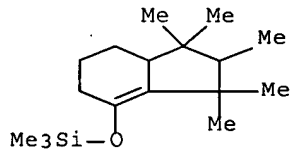


RN 700817-97-6 HCAPLUS
CN 2-Buten-1-ol, 4-[(2,3,5,6,7,7a-hexahydro-1,1,2,3,3-pentamethyl-1H-inden-4-yl)oxy]-, (2Z)- (9CI) (CA INDEX NAME)

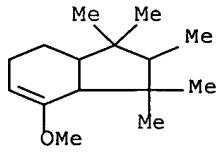
Double bond geometry as shown.



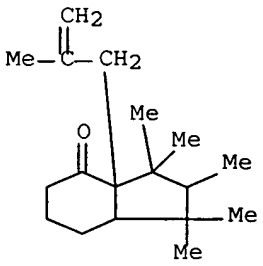
RN 700817-99-8 HCAPLUS
CN Silane, [(2,3,5,6,7,7a-hexahydro-1,1,2,3,3-pentamethyl-1H-inden-4-yl)oxy]trimethyl- (9CI) (CA INDEX NAME)



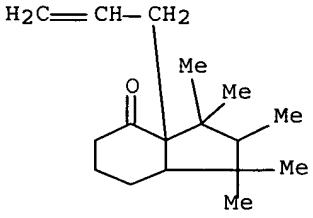
RN 700818-00-4 HCAPLUS
CN 1H-Indene, 2,3,3a,4,5,7a-hexahydro-7-methoxy-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



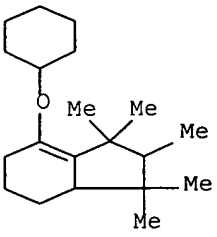
IT **700817-91-0P 700817-94-3P**
RL: COS (Cosmetic use); MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and reduction of, with metal hydrides; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)
RN 700817-91-0 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl-3a-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)



RN 700817-94-3 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl-3a-(2-propenyl)- (9CI) (CA INDEX NAME)

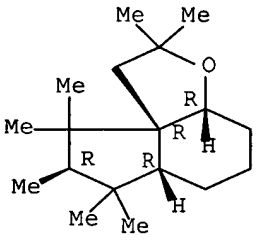


IT **700817-98-7P 700818-04-8P 700818-05-9P**
700818-06-0P 700818-07-1P 700818-08-2P
700818-09-3P 700818-10-6P 700818-11-7P
700818-12-8P 700818-13-9P 700818-14-0P
700818-15-1P 700818-16-2P 700818-17-3P
700818-18-4P 700818-19-5P
RL: COS (Cosmetic use); MOA (Modifier or additive use); NUU (Other use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)
RN 700817-98-7 HCAPLUS
CN 1H-Indene, 7-(cyclohexyloxy)-2,3,3a,4,5,6-hexahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



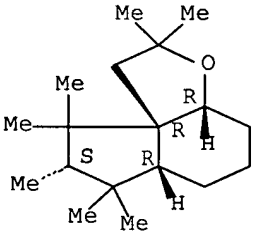
RN 700818-04-8 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aR,8R,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



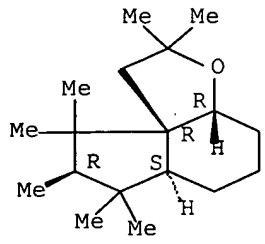
RN 700818-05-9 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aR,8S,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



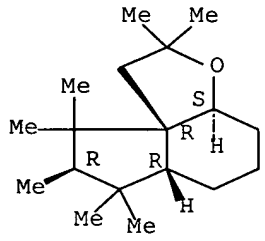
RN 700818-06-0 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aS,8R,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



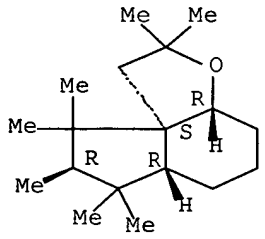
RN 700818-07-1 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aR,8R,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



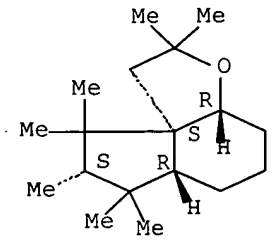
RN 700818-08-2 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aR,8R,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



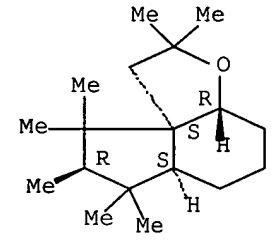
RN 700818-09-3 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aR,8S,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



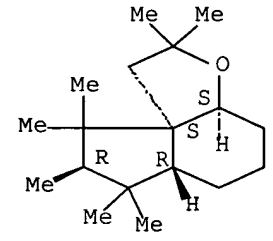
RN 700818-10-6 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aS,8R,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



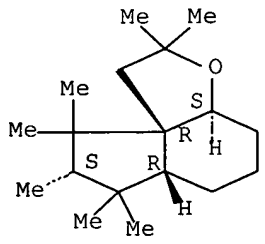
RN 700818-11-7 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aR,8R,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



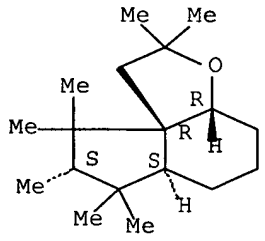
RN 700818-12-8 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aR,8S,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



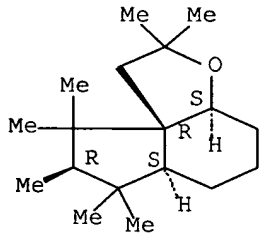
RN 700818-13-9 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aS,8S,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



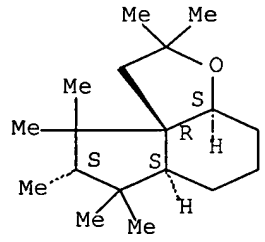
RN 700818-14-0 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aS,8R,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



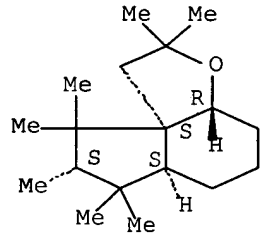
RN 700818-15-1 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aS,8S,9aR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



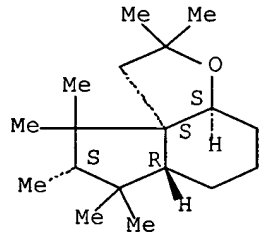
RN 700818-16-2 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aR,6aS,8S,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



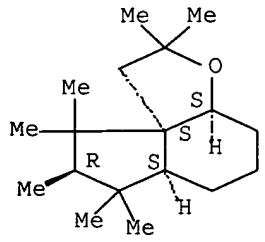
RN 700818-17-3 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aR,8S,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



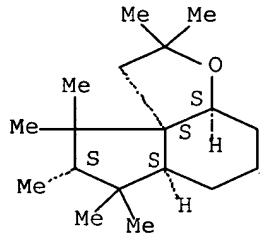
RN 700818-18-4 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aS,8R,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 700818-19-5 HCAPLUS
CN Indeno[4,3a-b]furan, decahydro-2,2,7,7,8,9,9-heptamethyl-, (3aS,6aS,8S,9aS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IC ICM C07C049-293
ICS C07C043-02
INCL 568374000; 568667000
CC 30-15 (Terpenes and Terpenoids)
Section cross-reference(s): 23, 27, 62
IT **195379-90-9**, 7-Methoxy-1,1,2,3,3-pentamethyl-2,3,3a,4,5,6-hexahydroindene
RL: RCT (Reactant); RACT (Reactant or reagent)
(addition reaction of, with alcs.; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)
IT **663623-54-9P 700817-93-2P**
RL: COS (Cosmetic use); MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and allylic rearrangement of; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)
IT **700817-92-1P 700817-95-4P**
RL: COS (Cosmetic use); MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and intramol. cycloetherification of; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)
IT **647828-16-8P**, 3,3,10,10,11,12,12-Heptamethyl-4-oxatricyclo[7.3.0.01,5]dodecane **700817-96-5P 700817-97-6P 700817-99-8P 700818-00-4P** 700818-03-7P 701261-69-0P
RL: COS (Cosmetic use); MOA (Modifier or additive use); NUU (Other use, unclassified); PRP (Properties); SPN (Synthetic preparation);

BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation and olfactory properties of; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)

IT **700817-91-0P 700817-94-3P**
RL: COS (Cosmetic use); MOA (Modifier or additive use); PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation and reduction of, with metal hydrides; preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)

IT **700817-98-7P** 700818-02-6P **700818-04-8P**
700818-05-9P 700818-06-0P 700818-07-1P
700818-08-2P 700818-09-3P 700818-10-6P
700818-11-7P 700818-12-8P 700818-13-9P
700818-14-0P 700818-15-1P 700818-16-2P
700818-17-3P 700818-18-4P 700818-19-5P
RL: COS (Cosmetic use); MOA (Modifier or additive use); NUU (Other use, unclassified); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of polyalkylbicyclic derivs. for use as fragrance ingredients)

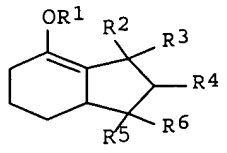
L35 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1997:616871 HCAPLUS Full-text
DOCUMENT NUMBER: 127:253001
TITLE: Methyl-substituted tetrahydroindan alkyl enol ethers: preparation and perfumery uses
INVENTOR(S): Narula, Anubhav P. S.; Koestler, James Joseph; Hartong, Peter J.; Hanna, Marie R.; Beck, Charles E. J.
PATENT ASSIGNEE(S): International Flavors & Fragrances Inc., USA
SOURCE: U.S., 26 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5665698	A	19970909	US 1996-709506	19960906
EP 827945	A1	19980311	EP 1997-306823	19970903

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

PRIORITY APPLN. INFO.: US 1996-709506 A 19960906

OTHER SOURCE(S): MARPAT 127:253001
GI

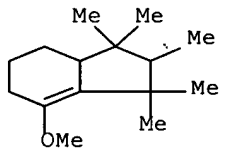


I

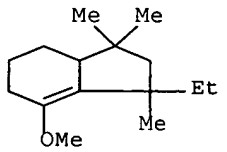
AB Me-substituted tetrahydroindan alkyl enol ethers (I; R1 = Me, Et; R4 = Me, H; R2, R3, R5, R6 = Me, Et; ≥3 of R2, R3, R5, R6 = Me) are prepared for use in augmenting, enhancing, or imparting an aroma in or to perfume compns., colognes, and perfumed articles, including perfumed polymers, solid or liquid detergents, fabric softeners, cosmetic powders, and hair prepns. I are prepared from the corresponding ketones by reaction with a trialkyl orthoformate to form a ketal, followed by dealkoxylation in the presence of an acid ion exchange catalyst.

IT **195379-90-9P 195379-91-0P 195379-92-1P**
195379-93-2P 195379-94-3P 195379-96-5P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(methyl-substituted tetrahydroindan alkyl enol ethers: preparation and perfumery uses)

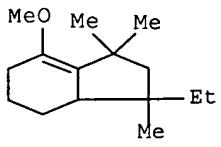
RN 195379-90-9 HCAPLUS
CN 1H-Indene, 2,3,3a,4,5,6-hexahydro-7-methoxy-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



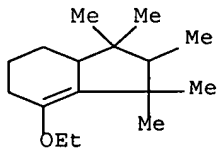
RN 195379-91-0 HCAPLUS
CN 1H-Indene, 1-ethyl-2,3,3a,4,5,6-hexahydro-7-methoxy-1,3,3-trimethyl- (9CI) (CA INDEX NAME)



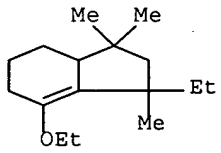
RN 195379-92-1 HCAPLUS
CN 1H-Indene, 3-ethyl-2,3,3a,4,5,6-hexahydro-7-methoxy-1,1,3-trimethyl- (9CI) (CA INDEX NAME)



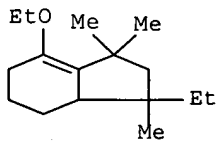
RN 195379-93-2 HCAPLUS
CN 1H-Indene, 7-ethoxy-2,3,3a,4,5,6-hexahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



RN 195379-94-3 HCAPLUS
CN 1H-Indene, 7-ethoxy-1-ethyl-2,3,3a,4,5,6-hexahydro-1,3,3-trimethyl- (9CI) (CA INDEX NAME)



RN 195379-96-5 HCAPLUS
CN 1H-Indene, 7-ethoxy-3-ethyl-2,3,3a,4,5,6-hexahydro-1,1,3-trimethyl- (9CI) (CA INDEX NAME)



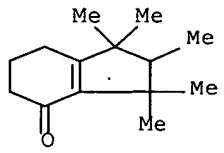
IC ICM A61K007-46
INCL 512019000
CC 62-5 (Essential Oils and Cosmetics)
Section cross-reference(s): 24
IT **195379-90-9P 195379-91-0P 195379-92-1P**
195379-93-2P 195379-94-3P 195379-96-5P
RL: BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(methyl-substituted tetrahydroindan alkyl enol ethers: preparation and perfumery uses)

=> d l36 ibib abs hitstr hitind 1-3

L36 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2004:468648 HCAPLUS Full-text
DOCUMENT NUMBER: 141:156775
TITLE: Study of the photoinduced degradation of polycyclic musk compounds by solid-phase microextraction and gas chromatography/mass spectrometry
AUTHOR(S): Sanchez-Prado, Lucia; Lourido, Mercedes; Lores, Marta; Llompart, Maria; Garcia-Jares, Carmen; Cela, Rafael
CORPORATE SOURCE: Departamento de Quimica Analitica, Nutricion y Bromatologia, Facultad de Quimica, Instituto de Investigacion y Analisis Alimentario, Avda. das Ciencias s/n, Universidad de Santiago de Compostela, Santiago de Compostela, 15706, Spain
SOURCE: Rapid Communications in Mass Spectrometry (2004), 18(11), 1186-1192
CODEN: RCMSEF; ISSN: 0951-4198
PUBLISHER: John Wiley & Sons Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 141:156775

AB Polycyclic musks are widely used synthetic fragrances that have been identified during the last few years in biota samples and environmental matrixes. Nevertheless, there is a lack of information concerning the photodegrdn. behavior of these compds. In this work, the photoinduced degradation of six polycyclic musk compds. (Cashmeran, Celestolide, Phantolide, Galaxolide, Traseolide and Tonalide) was studied using a solid-phase microextn. (SPME) fiber as support. Musk fragrances were extracted from aqueous solns. using SPME fibers that were subsequently exposed to UV irradiation for different times. To study the degradation kinetics and to tentatively identify the photoproducts generated, gas chromatog. coupled to ion trap mass spectrometry was used. Aqueous photodegrdn. studies were also performed. The on-fiber photodegrdn. approach avoids the need for further extraction processes and makes the identification of photoproducts easier, due to their higher concentration on the fibers. All musk compds. were easily photodegraded, suggesting that UV irradiation could work as a decontamination tool for these musks.

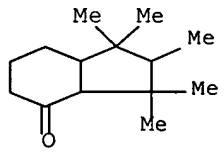
IT **33704-61-9**, Cashmeran
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)
(photoinduced degradation of polycyclic musk compds. by solid-phase microextn. and gas chromatog./mass spectrometry)
RN 33704-61-9 HCAPLUS
CN 4H-Inden-4-one, 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



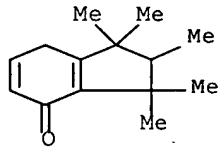
IT **195379-87-4P 731860-51-8P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(photoinduced degradation of polycyclic musk compds. by solid-phase microextn. and gas chromatog./mass spectrometry)

RN 195379-87-4 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



RN 731860-51-8 HCAPLUS
CN 4H-Inden-4-one, 1,2,3,7-tetrahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



CC 22-8 (Physical Organic Chemistry)
Section cross-reference(s): 62, 74

IT 1222-05-5, Galaxolide 13171-00-1, Celestolide 15323-35-0, Phantolide 21145-77-7, Tonalide **33704-61-9**, Cashmeran 68857-95-4, Traseolide
RL: CPS (Chemical process); PEP (Physical, engineering or chemical process); RCT (Reactant); PROC (Process); RACT (Reactant or reagent)
(photoinduced degradation of polycyclic musk compds. by solid-phase microextn. and gas chromatog./mass spectrometry)

IT 3247-65-2P 22825-05-4P 88301-91-1P 102325-36-0P
195379-87-4P 337484-84-1P **731860-51-8P**
731860-54-1P 731860-57-4P 731860-58-5P 731860-59-6P
731860-60-9P 731860-61-0P 731860-62-1P 731860-63-2P
731860-64-3P 731860-65-4P 731860-66-5P 731860-67-6P
731860-68-7P 731860-69-8P 731860-70-1P 731860-71-2P
731860-72-3P 731860-73-4P 731860-74-5P 731860-75-6P
731860-76-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(photoinduced degradation of polycyclic musk compds. by solid-phase microextn. and gas chromatog./mass spectrometry)

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

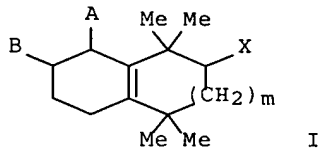
L36 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2002:925309 HCAPLUS Full-text
DOCUMENT NUMBER: 138:8277
TITLE: Indanone derivatives for use as fragrances
INVENTOR(S): Levorse, Anthony; Narula, Anubhav P. S.; Arruda,

Edward Mark; Beck, Charles E. J.
PATENT ASSIGNEE(S): International Flavors & Fragrances Inc., USA
SOURCE: Eur. Pat. Appl., 15 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1262481	A1	20021204	EP 2002-253426	20020516
EP 1262481	B1	20041006		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003004090	A1	20030102	US 2001-859953	20010517
US 6632788	B2	20031014		
BR 2002000264	A	20030429	BR 2002-264	20020130
CN 1390822	A	20030115	CN 2002-120004	20020517

PRIORITY APPLN. INFO.: US 2001-859953 A 20010517

OTHER SOURCE(S): MARPAT 138:8277
GI



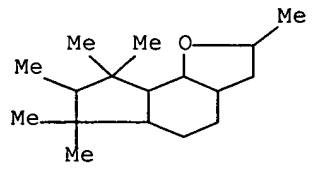
I

AB Indanone derivs. are prepared and used in creating fragrances, and scents in items such as perfumes, colognes and personal care products. E.g., I was prepared and formulated into a perfume composition I has a sweet, raspberry, musky odor.

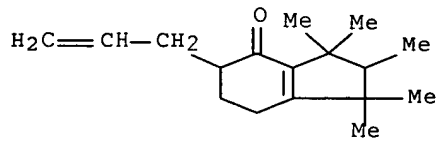
IT **338735-71-0P 476332-59-9P 476332-62-4P**
476332-65-7P 476332-66-8P 476332-69-1P
476332-70-4P 476332-71-5P 476332-72-6P
476332-73-7P 476332-74-8P 476332-75-9P
476332-76-0P 476332-77-1P 476332-78-2P
476332-79-3P 476332-80-6P 476332-81-7P
476332-82-8P 476332-83-9P 476332-84-0P
476332-85-1P 476332-86-2P 476332-87-3P
476332-88-4P 476332-89-5P 476332-90-8P
476332-91-9P 476332-92-0P 476332-93-1P
476332-94-2P 476332-95-3P 476332-96-4P

476332-97-5P 476332-98-6P 476332-99-7P
476333-00-3P 476333-01-4P 476333-02-5P
476333-03-6P 476333-04-7P 476333-05-8P
476333-06-9P 476333-07-0P 476333-09-2P
476333-10-5P 476333-11-6P 476333-13-8P
476333-14-9P 476333-15-0P 476333-16-1P
476333-17-2P 476333-18-3P 476333-19-4P
476333-20-7P 476333-22-9P 476333-23-0P
476333-24-1P 476333-25-2P 476333-26-3P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(indanone derivs. for use as fragrances)

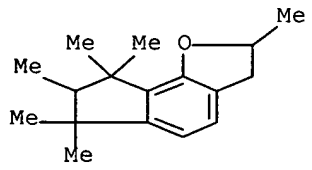
RN 338735-71-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl- (9CI) (CA INDEX NAME)



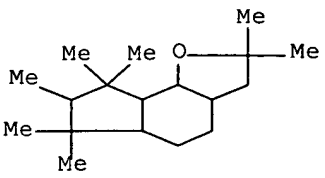
RN 476332-59-9 HCAPLUS
CN 4H-Inden-4-one, 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-5-(2-propenyl)- (9CI) (CA INDEX NAME)



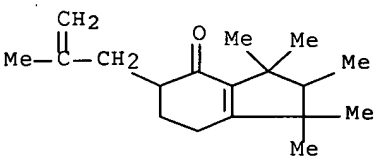
RN 476332-62-4 HCAPLUS
CN 2H-Indeno[4,5-b]furan, 3,6,7,8-tetrahydro-2,6,6,7,8,8-hexamethyl- (9CI) (CA INDEX NAME)



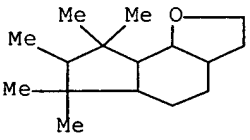
RN 476332-65-7 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,2,6,6,7,8,8-heptamethyl- (9CI) (CA INDEX NAME)



RN 476332-66-8 HCAPLUS
CN 4H-Inden-4-one, 1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-5-(2-methyl-2-propenyl)- (9CI) (CA INDEX NAME)

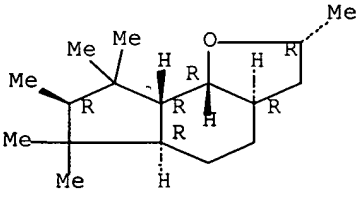


RN 476332-69-1 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-6,6,7,8,8-pentamethyl- (9CI) (CA INDEX NAME)



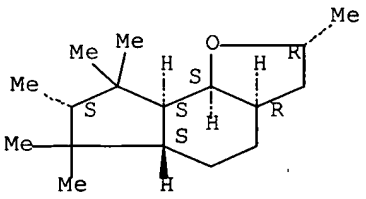
RN 476332-70-4 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



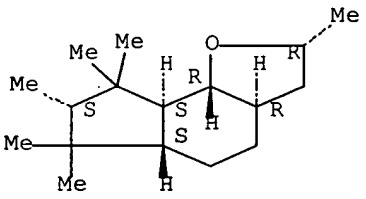
RN 476332-71-5 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aS,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



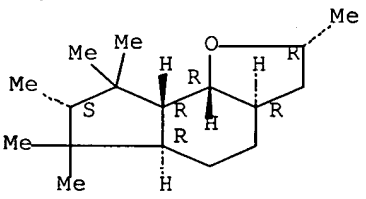
RN 476332-72-6 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aS,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



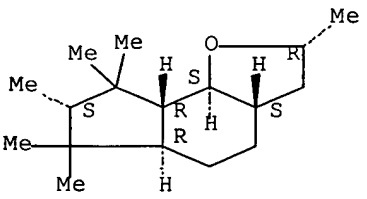
RN 476332-73-7 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



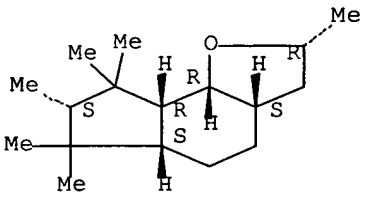
RN 476332-74-8 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7S,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



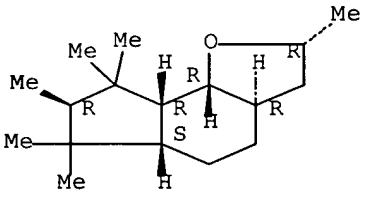
RN 476332-75-9 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



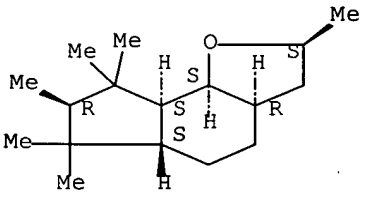
RN 476332-76-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aS,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



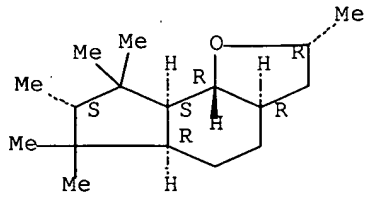
RN 476332-77-1 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



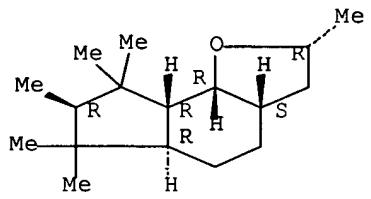
RN 476332-78-2 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



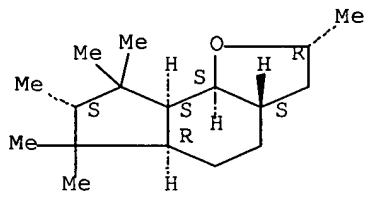
RN 476332-79-3 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



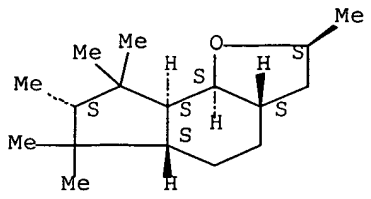
RN 476332-80-6 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



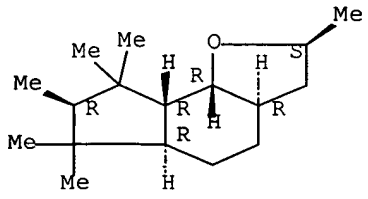
RN 476332-81-7 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



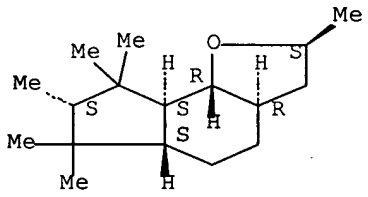
RN 476332-82-8 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



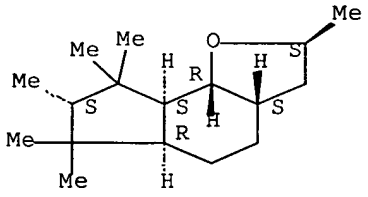
RN 476332-83-9 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



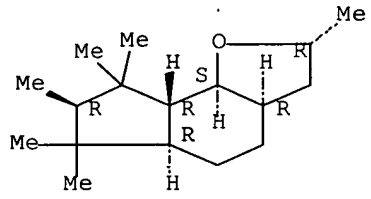
RN 476332-84-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aR,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



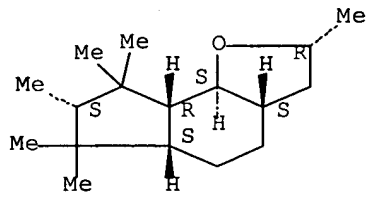
RN 476332-85-1 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



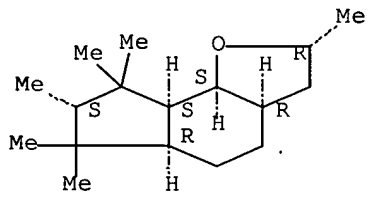
RN 476332-86-2 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7S,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



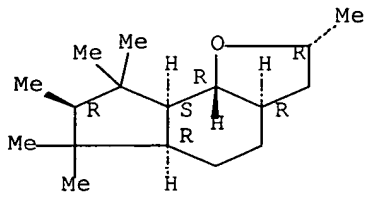
RN 476332-87-3 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



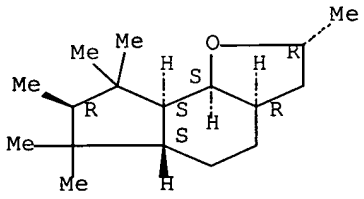
RN 476332-88-4 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7R,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



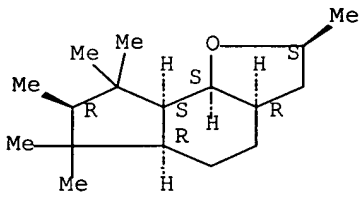
RN 476332-89-5 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aS,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



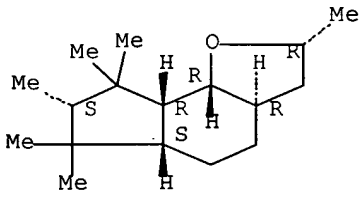
RN 476332-90-8 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



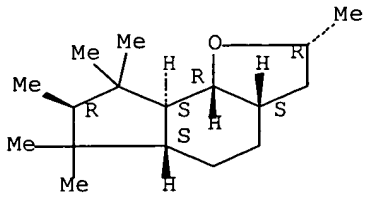
RN 476332-91-9 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aS,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



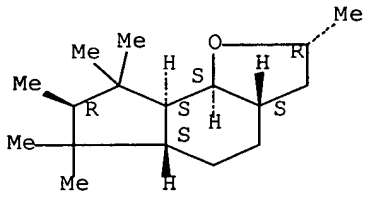
RN 476332-92-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7R,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



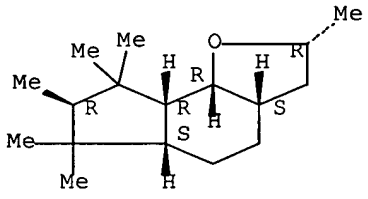
RN 476332-93-1 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



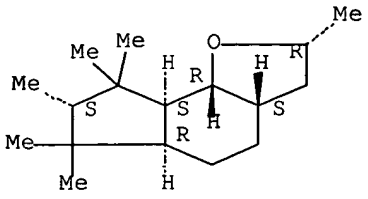
RN 476332-94-2 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



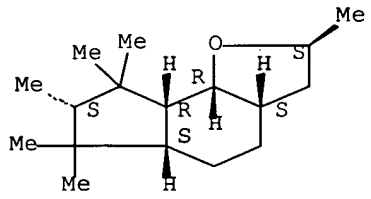
RN 476332-95-3 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



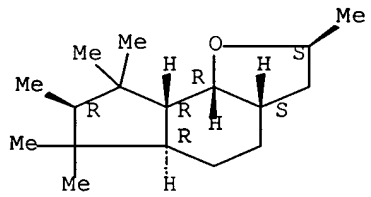
RN 476332-96-4 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



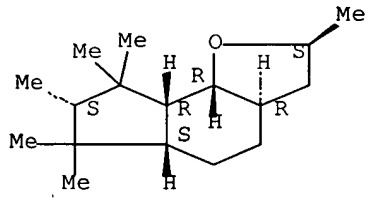
RN 476332-97-5 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aR,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



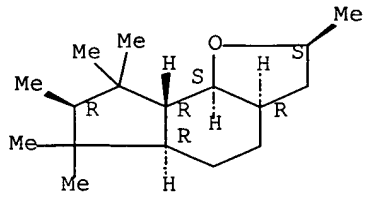
RN 476332-98-6 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



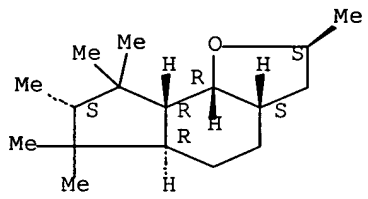
RN 476332-99-7 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



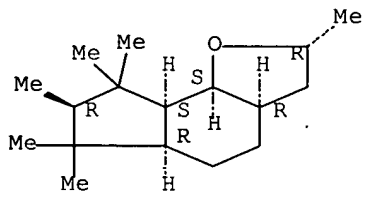
RN 476333-00-3 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aR,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



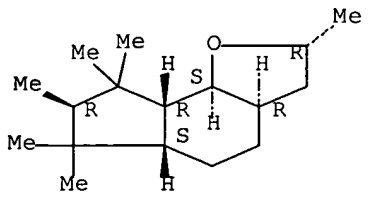
RN 476333-01-4 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aR,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



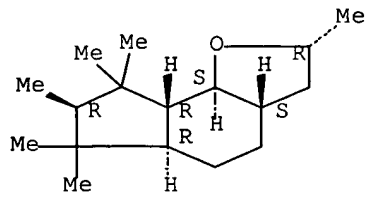
RN 476333-02-5 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aR,5aS,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



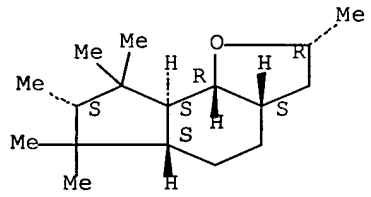
RN 476333-03-6 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



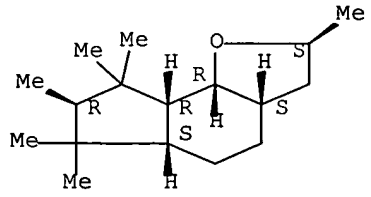
RN 476333-04-7 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



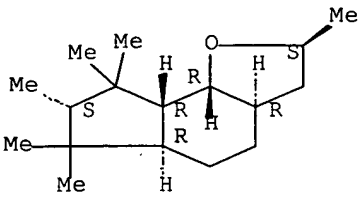
RN 476333-05-8 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



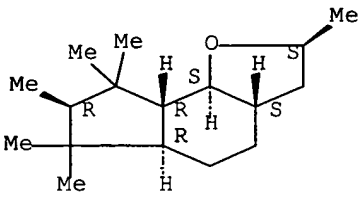
RN 476333-06-9 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



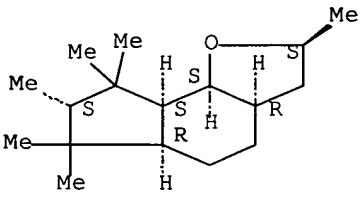
RN 476333-07-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aR,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



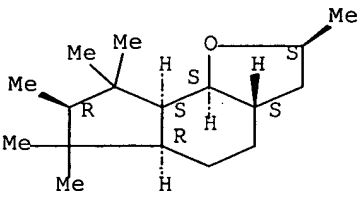
RN 476333-09-2 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



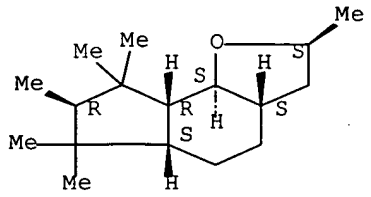
RN 476333-10-5 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aR,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



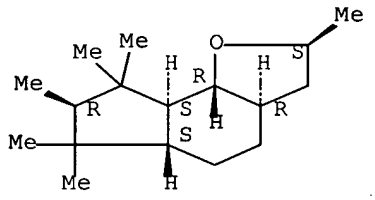
RN 476333-11-6 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



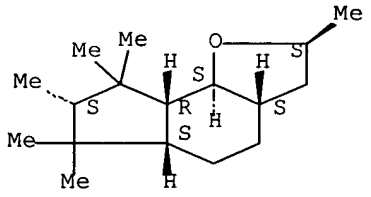
RN 476333-13-8 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7R,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



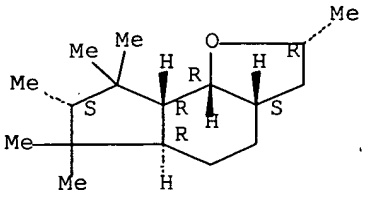
RN 476333-14-9 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7S,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



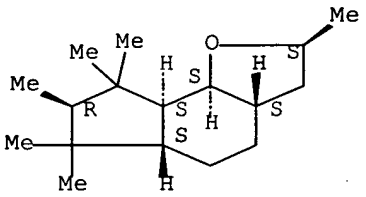
RN 476333-15-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7S,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



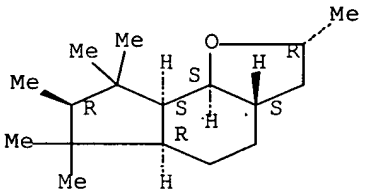
RN 476333-16-1 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



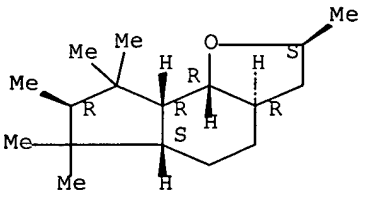
RN 476333-17-2 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aR,7R,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



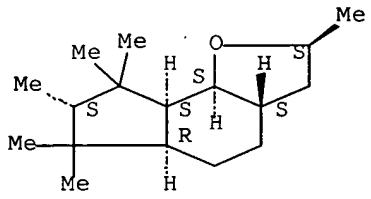
RN 476333-18-3 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7R,8aR,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



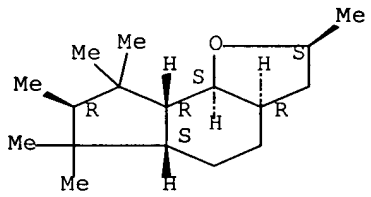
RN 476333-19-4 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aR,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



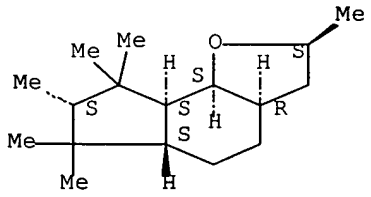
RN 476333-20-7 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7R,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



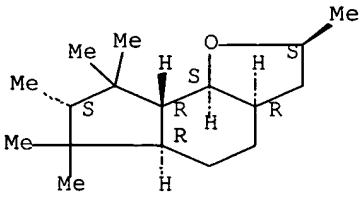
RN 476333-22-9 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aS,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



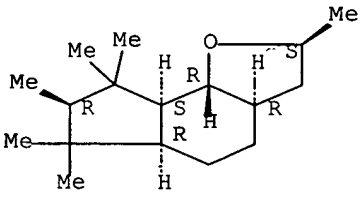
RN 476333-23-0 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7S,8aR,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



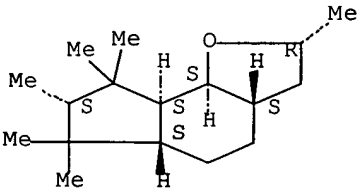
RN 476333-24-1 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aR,5aR,7R,8aS,8bR)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



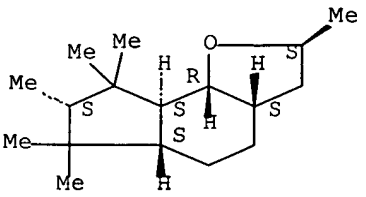
RN 476333-25-2 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2R,3aS,5aS,7S,8aS,8bS)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

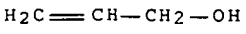


RN 476333-26-3 HCAPLUS
CN 2H-Indeno[4,5-b]furan, decahydro-2,6,6,7,8,8-hexamethyl-, (2S,3aS,5aS,7S,8aS,8bR)- (9CI) (CA INDEX NAME)

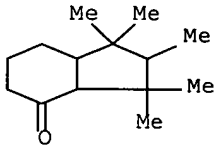
Absolute stereochemistry.



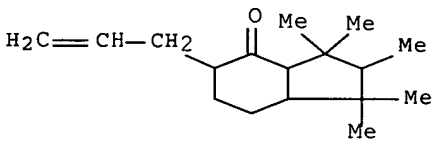
IT **107-18-6**, Allyl alcohol, reactions **195379-87-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(indanone derivs. for use as fragrances)
RN 107-18-6 HCAPLUS
CN 2-Propen-1-ol (9CI) (CA INDEX NAME)



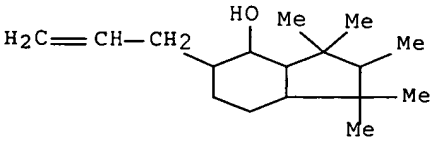
RN 195379-87-4 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



IT **351343-76-5P 382142-18-9P 476332-61-3P**
476332-63-5P 476332-64-6P 476332-67-9P
476332-68-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(indanone derivs. for use as fragrances)
RN 351343-76-5 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl-5-(2-propenyl)- (9CI) (CA INDEX NAME)

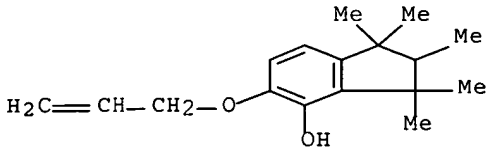


RN 382142-18-9 HCAPLUS
CN 1H-Inden-4-ol, octahydro-1,1,2,3,3-pentamethyl-5-(2-propenyl)- (9CI) (CA INDEX NAME)

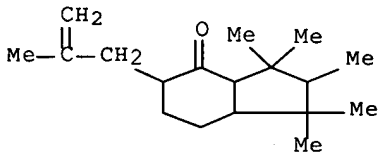


RN 476332-61-3 HCAPLUS

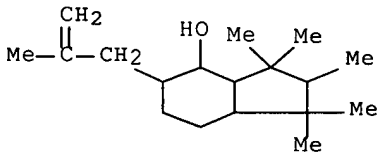
CN 1H-Inden-4-ol, 2,3-dihydro-1,1,2,3,3-pentamethyl-5-(2-propenyloxy)-
(9CI) (CA INDEX NAME)



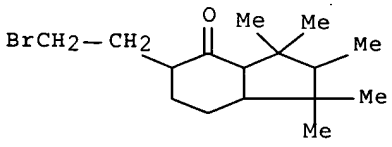
RN 476332-63-5 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl-5-(2-methyl-2-
propenyl)- (9CI) (CA INDEX NAME)



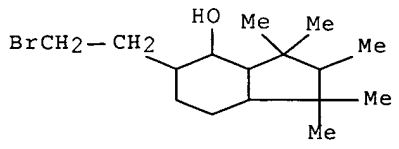
RN 476332-64-6 HCAPLUS
CN 1H-Inden-4-ol, octahydro-1,1,2,3,3-pentamethyl-5-(2-methyl-2-
propenyl)- (9CI) (CA INDEX NAME)



RN 476332-67-9 HCAPLUS
CN 4H-Inden-4-one, 5-(2-bromoethyl)octahydro-1,1,2,3,3-pentamethyl-
(9CI) (CA INDEX NAME)



RN 476332-68-0 HCAPLUS
CN 1H-Inden-4-ol, 5-(2-bromoethyl)octahydro-1,1,2,3,3-pentamethyl-
(9CI) (CA INDEX NAME)



IC ICM C07D307-77
ICS C07C049-115
CC 62-5 (Essential Oils and Cosmetics)
Section cross-reference(s): 24
IT **338735-71-0P 476332-59-9P 476332-62-4P**
476332-65-7P 476332-66-8P 476332-69-1P
476332-70-4P 476332-71-5P 476332-72-6P
476332-73-7P 476332-74-8P 476332-75-9P
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476332-82-8P 476332-83-9P 476332-84-0P
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476333-00-3P 476333-01-4P 476333-02-5P
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476333-17-2P 476333-18-3P 476333-19-4P
476333-20-7P 476333-22-9P 476333-23-0P
476333-24-1P 476333-25-2P 476333-26-3P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(indanone derivs. for use as fragrances)
IT 106-93-4, 1,2-Dibromoethane 107-05-1, Allyl chloride
107-18-6, Allyl alcohol, reactions **195379-87-4**
RL: RCT (Reactant); RACT (Reactant or reagent)
(indanone derivs. for use as fragrances)
IT **351343-76-5P 382142-18-9P** 476332-60-2P
476332-61-3P 476332-63-5P 476332-64-6P
476332-67-9P 476332-68-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(indanone derivs. for use as fragrances)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L36 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1998:334871 HCAPLUS Full-text
DOCUMENT NUMBER: 129:55792
TITLE: Liquid detergent compositions with good detergency and giving washed laundry that can be kept for a long period without generating malodor
INVENTOR(S): Watanabe, Toshiyuki; Shindo, Hiroyuki
PATENT ASSIGNEE(S): Lion Corp., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

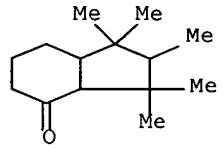
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10140195	A	19980526	JP 1996-308762	19961105

PRIORITY APPLN. INFO.: JP 1996-308762 19961105

AB The title compns. comprise 10-50% nonionic surfactant(a) chosen from ethoxylates of primary and secondary C8-20 alkanols or alkenols and lower alkyl esters of C8-22 fatty acids; 1-15% copolymers (Mw 20,000-1,000,000) of CH2:CR1CO2R2 and CH2:CR3CO2R4N+(R52)R6CO2- in 1-8:9-2 molar ratio; and 0.05-1% perfumes containing ≥30% perfumes having b.p. ≥230° under 1 atmospheric Diadol 13 ethoxylate and Me methacrylate-octyl methacrylate-2- (methacryloyloxy)ethyldimethylammonioacetate copolymer were used in a detergent composition, together with a multicomponent perfume mixture

IT **195379-87-4**
RL: MOA (Modifier or additive use); USES (Uses)
(liquid detergent compns. with good detergency and giving washed laundry that can be kept for a long period without generating malodor)

RN 195379-87-4 HCAPLUS
CN 4H-Inden-4-one, octahydro-1,1,2,3,3-pentamethyl- (9CI) (CA INDEX NAME)



IC ICM C11D010-02
ICS C11D017-08; C11D010-02; C11D001-72; C11D003-37; C11D003-50
CC 46-5 (Surface Active Agents and Detergents)
IT 60-12-8, Phenethyl alcohol 78-69-3, 3,7-Dimethyl-3-octanol 78-70-6, 3,7-Dimethyl-1,6-octadien-3-ol 80-54-6, p-tert-Butyl-α-methylhydrocinnamaldehyde 93-92-5, Methyl phenylcarbinylacetate 97-54-1, 2-Methoxy-4-propenylphenol 101-86-0, α-Hexylcinnamaldehyde 103-95-7 104-46-1, p-Propenylphenyl methyl ether 106-22-9, 3,7-Dimethyl-6-octen-1-ol 106-23-0, 3,7-Dimethyl-6-octenal 106-24-1 110-41-8, Methylnonylacetaldehyde 112-31-2, Decanaldehyde 112-43-6, 10-Undecenol 115-95-7 122-40-7, α-Amylcinnamaldehyde 134-20-3, Methyl 2-aminobenzoate 140-11-4, Benzyl acetate 543-39-5, 2-Methyl-6-methylene-7-octen-2-ol 928-96-1, cis-3-Hexenol 2084-69-7 2630-39-9, Methyl dihydrojasmonate 2705-87-5, Allyl cyclohexanepropionate 3407-42-9 5392-40-5,

3,7-Dimethyl-2,6-octadienal 31906-04-4 32388-55-9, Vertofix
64070-16-2 67634-15-5 68039-49-6, 2,4-Dimethyl-3-cyclohexene-1-
carboxaldehyde **195379-87-4** 208662-60-6
RL: MOA (Modifier or additive use); USES (Uses)
(liquid detergent compns. with good detergency and giving washed
laundry that can be kept for a long period without generating
malodor)

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